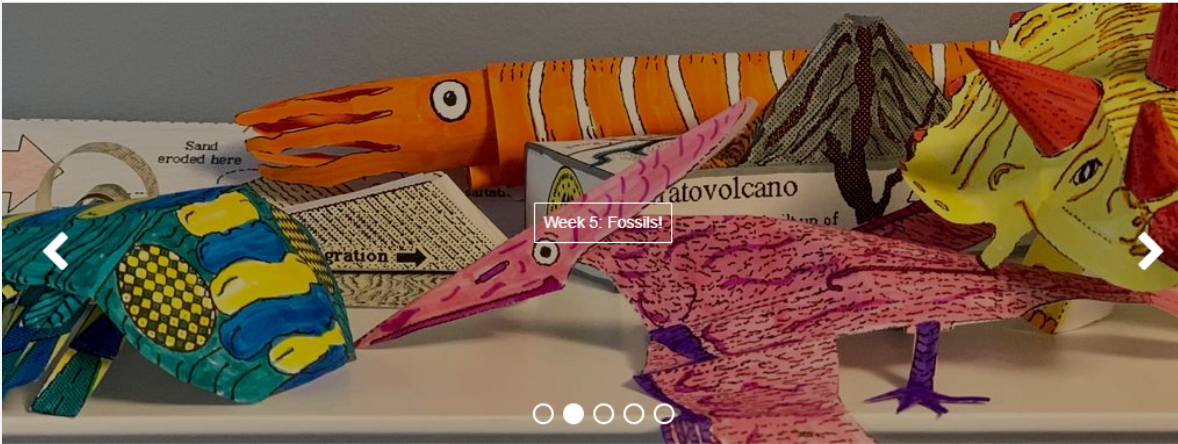




Youth and Education in Science (YES) Supporting Learning at Home

Dr. Eleanor Snow – U. S. Geological Survey
Manager of Youth and Education Programs
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Educational Resources



HOME

ABOUT

CONNECT

DOCUMENTS

MULTIMEDIA

ADVENTURES
IN STEM

GRADE K-2

GRADE 3-5

GRADE 6-8

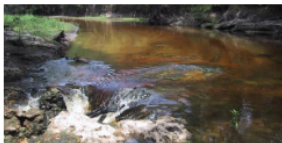
GRADE 9-12

COLLEGE

Learning From Home

Your first stop for learning resources from USGS! We will be updating this weekly throughout the spring of 2020, so keep coming back. Also, follow our Twitter and Instagram for weekly educational challenges @usgs_yes

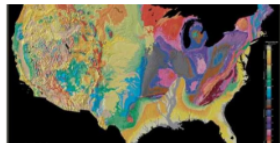
Weeks 1-4



March 17 - April 13

[Learn More](#)

Weeks 5-8



April 14-May 11

[Learn More](#)

Other Sites to Explore

[Geology and Ecology of National Parks](#)

[USGS Science Explorer](#)

usgs.gov/LearnFromHome

Weekly Updates

Themes

Hands-on activities

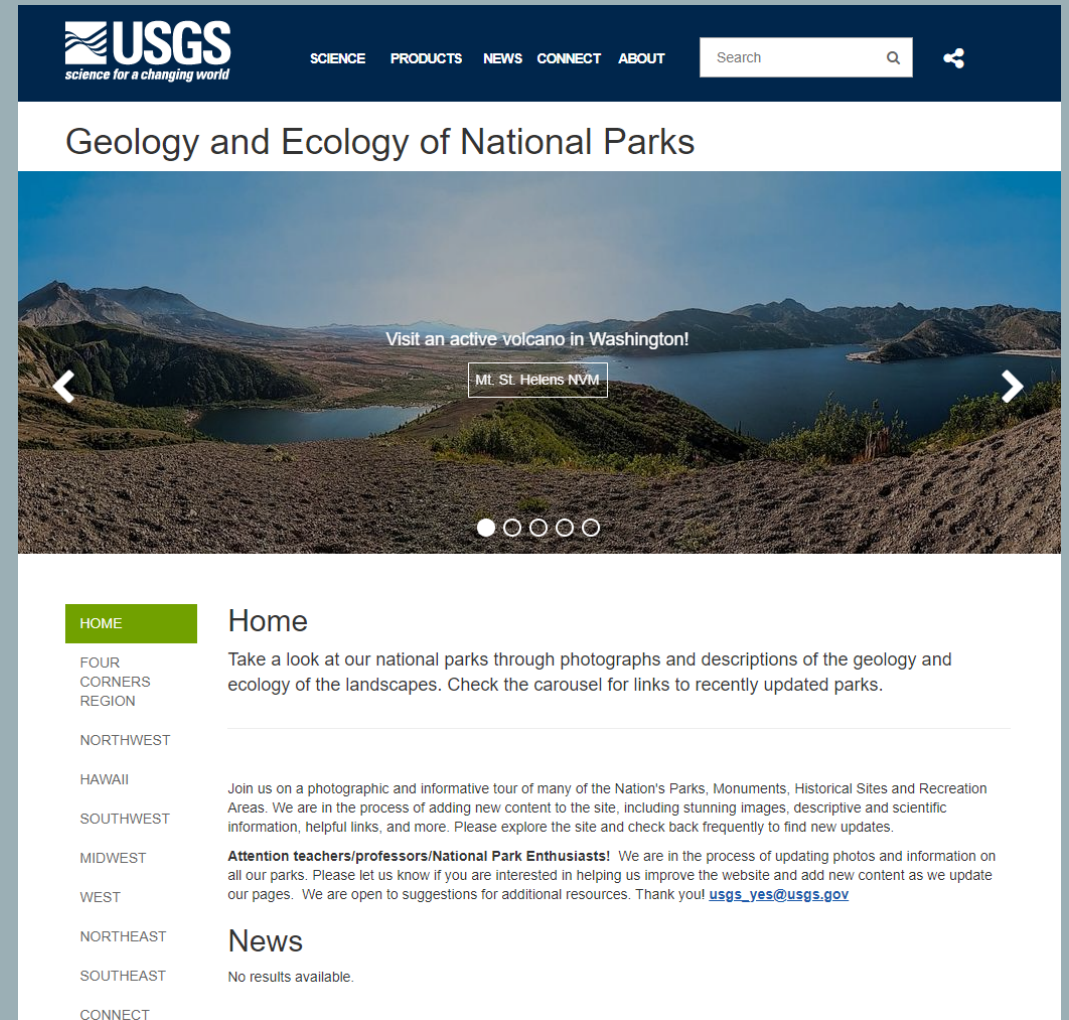
Grade level engagement

- Phenology
- Change over time
- Space
- Water
- Fossils
- National Parks

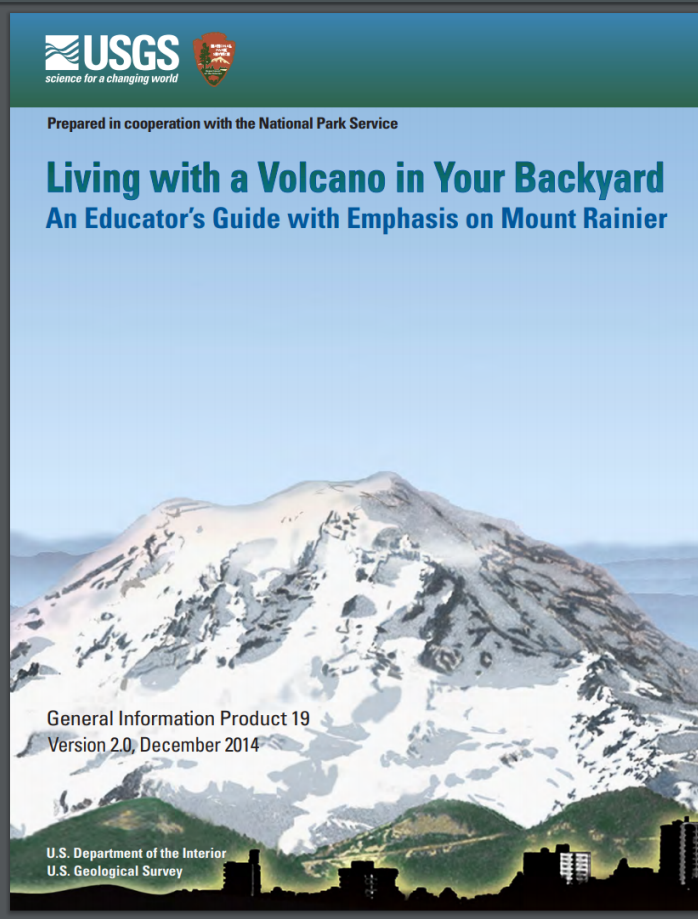
GEOLOGY AND ECOLOGY OF NATIONAL PARKS

usgs.gov/NationalParks

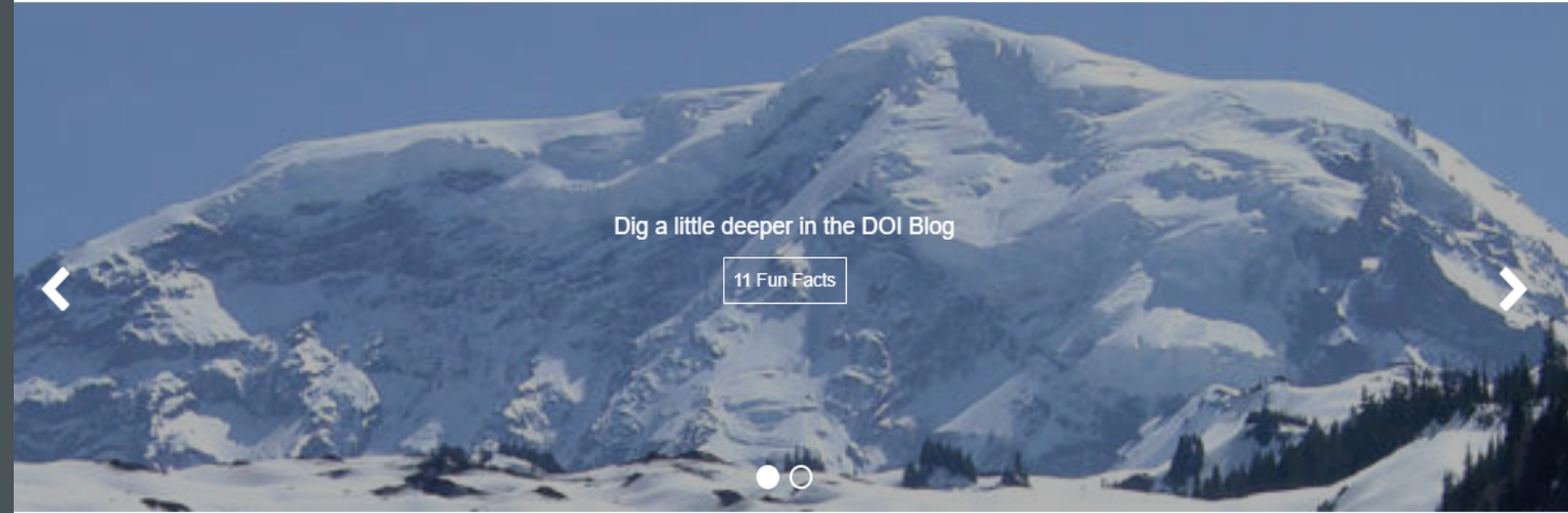
- Updating with help from VSFS
- Added ecology
- Linking USGS research
- Linking NPS and USGS plus NPS educational Resources



- <https://www.nps.gov/mora/index.htm>
- <https://www.nps.gov/mora/learn/kidsyouth/index.htm>



Geology and Ecology of National Parks



Dig a little deeper in the DOI Blog

11 Fun Facts

HOME

FOUR CORNERS
REGION

NORTHWEST

HAWAII

SOUTHWEST

MIDWEST

WEST

NORTHEAST

SOUTHEAST

CONNECT

Mount Rainier National Park

Photo Tour



Learn More

Geology of Mount Rainier



Learn More

National Park Service Mount Rainier Site


Teachers Guide: Living with a Volcano in your Backyard

National Parks Mt. Rainier Education

Map of Mount Rainier National Park



FIND A FEATURE – A Social Media Campaign @usgs_yes



SCIENCE
Topics, readers, missions

PRODUCTS
Maps, data, publications

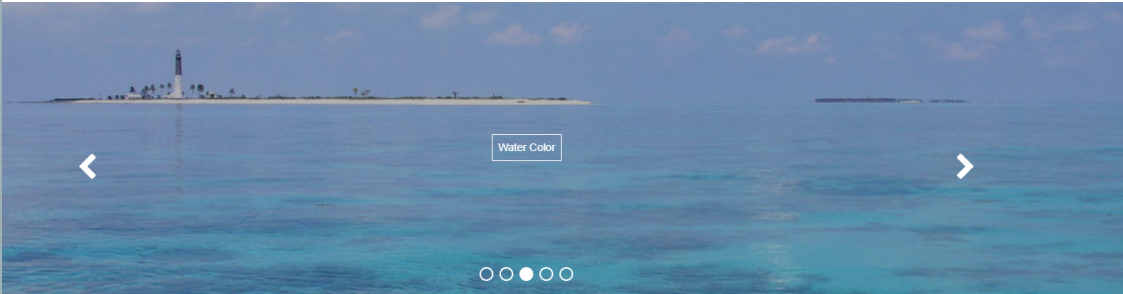
NEWS
Releases, for a reporter

CONNECT
Contact, chat, social media

ABOUT
Organization, jobs, budget

Search

Find-A-Feature



Water Color

[HOME](#)
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[CONNECT](#)
[DOCUMENTS](#)
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[ADVENTURES IN STEM](#)
[GRADE K-2](#)
[GRADE 3-5](#)
[GRADE 6-8](#)
[GRADE 9-12](#)
[COLLEGE](#)

Current Challenge: Water Clarity

Welcome to Find-A-Feature Photo Challenge! Periodically, we will showcase a new geological or ecological feature and challenge you to find something similar in your neighborhood. Science is everywhere - take a look around! Show us what you see! Tag us on Twitter or Instagram (public accounts only) @USGS_YES or send your pic to usgs_yes@usgs.gov.

What is water clarity? Water clarity, most simply stated, is a measurement of how "see through" water is. But, there's a lot more to it than that. Many factors can influence water clarity, such as the [turbidity](#), algae abundance, the presence of pollutants, and more. Water clarity generally decreases as the suspended load increases. Muddy water is harder to see through. Learn all about water clarity [here](#) on the water clarity and turbidity section of the USGS Water Science School.

How is water clarity measured? One simple tool used to measure water clarity is called a Secchi disc, which is a weighted disk with white and black quarters on the top and a measuring tape or wire attachment to measure the depth at which the disk can no longer be seen. Want to make your own Secchi disk? You can find examples of how to make your own with the [GLOBE Secchi disc](#) or [SERC Secchi disc](#), or for a super easy DIY Secchi disk, you can even glue 2-3 old CDs together (one alone will not sink) and use paint or nail polish for the black and white sections and a measuring tape or metal yard stick. Learn some basic [water sampling techniques](#) that you can do near your own house, and what you can learn about the water you collect. Learn more about current and past USGS research projects on water clarity [here](#).

Contacts

Youth and Education in Science
Email: usgs_yes@usgs.gov



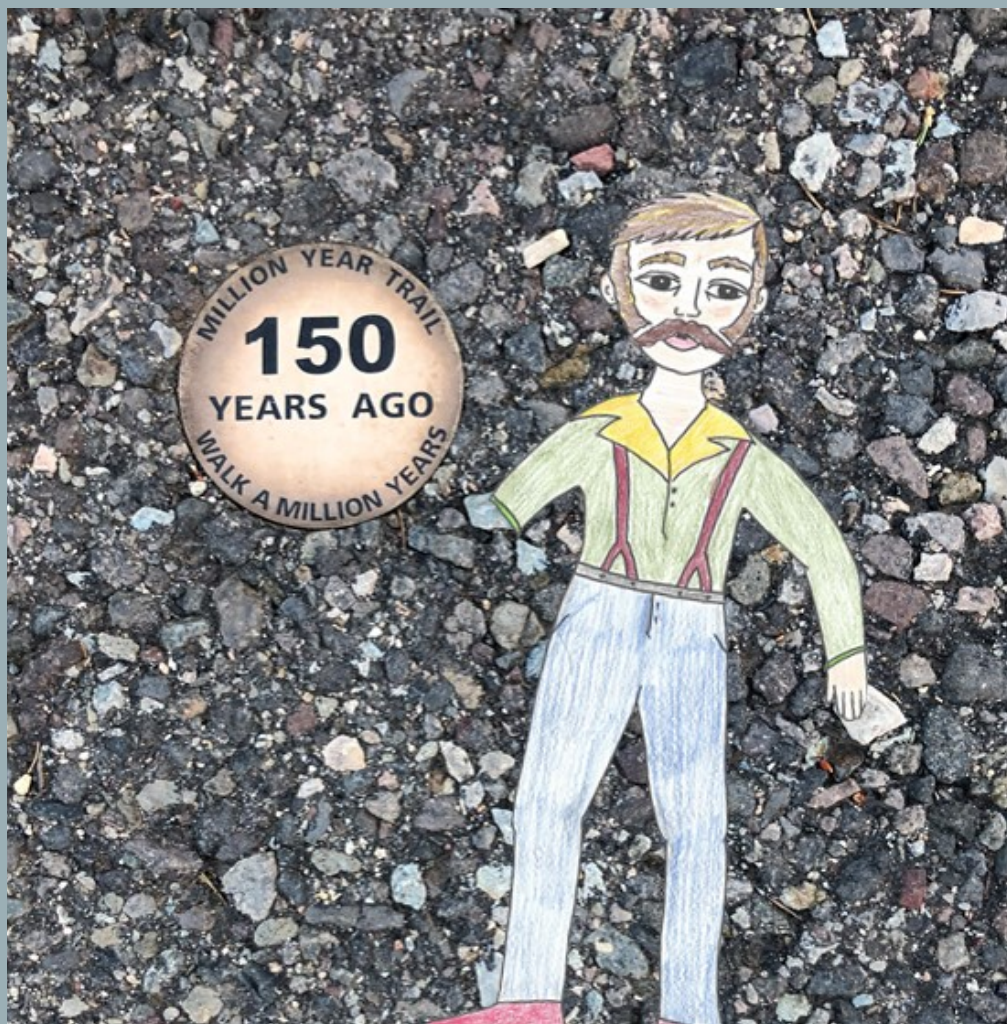
USGS_YES @USGS_YES
Apr 4

In honor of the 50th anniversary of Earth Day later this month, our newest Find-A-Feature Challenge: Water Clarity! What does the water look like near you? See more at ow.ly/DNRZ50z5oK7. #usgs #science #k12 #education #findafeature #waterclarity



www.usgs.gov/findafeature

Lake Umbagog, Portsmouth, NH. Photo: USGS



USGS.GOV/BEANEXPLORER

1869

1969

2069

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www.usgs.gov/yes